(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 19 July 2001 (19.07.2001)

PCT

(10) International Publication Number WO 01/51633 A2

- (51) International Patent Classification?: C12N 15/12, C07K 14/47, C12N 5/10, 5/08, 1/21, C07K 16/18, G01N 33/68, C07K 19/00, C12N 15/11, A61K 38/17, C12Q 1/68
- (21) International Application Number: PCT/US01/01574
- (22) International Filing Date: 16 January 2001 (16.01.2001)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 09/483,672

14 January 2000 (14.01.2000) US

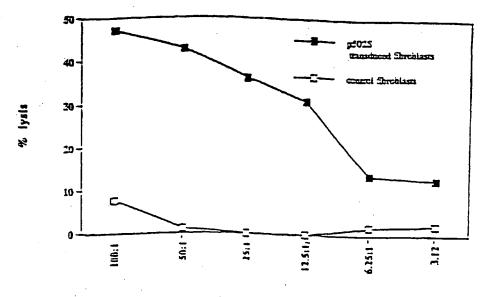
- (71) Applicant (for all designated States except US): CORIXA CORPORATION [US/US]; 1124 Columbia Street, Suite 200, Seattle, WA 98104 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): XU, Jiangchun [US/US]; 15805 S.E. 43rd Place, Bellevue, WA 98006 (US). DILLON, Davin, C. [US/US]; 18112 N.W. Montreux Drive, Issaquah, WA 98027 (US). MITCHAM,

Jennifer, L. [US/US]; 16677 N.E. 88th Street, Redmond, WA 98052 (US). HARLOCKER, Susan, L. [US/US]; 7522 13th Avenue W., Seattle, WA 98117 (US). JIANG, Yuqiu [CN/US]; 5001 South 232nd Street, Kent, WA 98032 (US). REED, Steven, G. [US/US]; 2843 122nd Place N.E., Bellevue, WA 98005 (US). KALOS, Michael, D. [US/US]; 8116 Dayton Ave. N., Seattle, WA 98103 (US). FANGER, Gary, Richard [US/US]; 15906 29th Drive S.E., Mill Creek, WA 98012 (US). DAY, Craig, H. [US/US]; 11501 Stone Ave. N., C122, Seattle, WA 98133 (US). RETTER, Marc, W. [US/US]; 33402 N.E. 43rd Place, Carnation, WA 98104 (US). STOLK, John, A. [US/US]; 7436 Northeast 144th Place, Bothell, WA 98011 (US). SKEIKY, Yasir, A.W. [LB/US]; 15106 S.E. 47th Place, Bellevue, WA 98006 (US). WANG, Aijun [CN/US]; 3106 213th Place S.E., Issaquah, WA 98029 (US). MEAGHER, Madeleine, Joy [US/US]; 507 N.E. 71st, #1, Seattle, WA 98115 (US).

(74) Agents: POTTER, Jane, E.R.; Seed Intellectual Property Law Group PLLC, Suite 6300, 701 Fifth Avenue, Seattle, WA 98104-7092 et al. (US).

[Continued on next page]

(54) Title: COMPOSITIONS AND METHODS FOR THE THERAPY AND DIAGNOSIS OF PROSTATE CANCER



Effector: Target Ratio

(57) Abstract: Compositions and methods for the therapy and diagnosis of cancer, particularly prostate cancer, are disclosed. Illustrative compositions comprise one or more prostate-specific polypeptides, immunogenic portions thereof, polynucleotides that encode such polypeptides, antigen presenting cell that expresses such polypeptides, and T cells that are specific for cells expressing such polypeptides. The disclosed compositions are useful, for example, in the diagnosis, prevention and/or treatment of diseases, particularly prostate cancer.

11/51633 A2